REMARKS

I.   STATUS OF THE CLAIMS

Claims 1-3 and 5-21 are currently pending.

II.   **REQUEST FOR EXAMINER INTERVIEW**

Before acting on this Amendment, it is respectfully requested that the Examiner telephone Attorney Kravetz at (202) 434-1500 to arrange an Examiner Interview.

III.   REJECTION OF CLAIMS UNDER 35 USC 101

The Advisory Action indicates that the rejection under 35 USC 101 in the Office Action mailed January 13, 2005, is overcome.

IV.   REJECTION OF CLIAMS 1-3 AND 5-21 UNDER 35 USC 103 AS BEING
        UNPATENTABLE OVER SHEN (US PATENT NO. 5,937,410) IN VIEW OF
        NG (US PATENT NO. 6,374,256)

Claim 1 recites that the object model stores data in a database, and that the data is automatically extracted from the database by directly extracting the data from the object model using an object query language corresponding to the object model. See, for example, FIGS. 2 and 3, and the disclosure in paragraphs [0029]-[0041] of the specification.

Please note that claim 1 is amended to clarify that the data is automatically extracted from the database by directly extracting the data from the object model using an object query language corresponding to the object model. Similar amendments are made to various other claims.

For example, FIG. 3 discloses an object model 22 that stores data in a database 20. As shown in FIG. 3, data stored in database 20 is automatically extracted from the database by directly extracting the data from object model 22 using an object query language (OQL) corresponding to the object model. For example, in FIG. 3, please see the line from element 54 to object model 22, with the notation "OQL". This operation in FIG. 3 can be compared to the prior art in FIG. 1 of the present application, where an export engine 34 exports data from database 20, not from object model 22. See, for example, paragraph [0008] of the specification.

Shen discloses the conversion of object oriented models into a database.

However, in Shen, the actual object model is converted. For example, in FIG. 1 of Shen, data input 14 is a file generated from a computer drawing program, and is indicative of identified

relationships among database objects. See, for example, the Abstract, and column 3, lines 5-26, of Shen. Further, column 4, line 35, through column 5, line 28, of Shen, describes how the input data 14 is used to convert the object model into a database.

Therefore, in Shen, the actual object model is converted. This is different than the present invention as recited, for example, in claim 1, where the object model stores data in a database, and the data is automatically extracted from the database by directly extracting the data from the object model.

In the Advisory Action, the Examiner appears to indicate that the object model of Shen would necessarily have associated data therein. Therefore, the Examiner appears to indicate that the associated data of the object model in Shen would have been extracted from a database.

However, claim 1 specifically recites that the object model stores data in a database, and that the data is automatically extracted from the database by directly extracting the data from the object model using an object query language corresponding to the object model. Therefore, the present invention as recited, for example, in claim 1, relates to extracting data from a database in a specific manner. Shen does not disclose any manner of extracting data from a database.

Further, claim 1 specifically recites that the data is automatically extracted from the database by directly extracting the data from the object model using an object query language corresponding to the object model. As Shen does not disclose any manner of extracting data from a database, Shen does not disclose the specific manner as recited, for example, in claim 1, where the data is automatically extracted from the database by directly extracting the data from the object model using an object query language corresponding to the object model.

In fact, in the outstanding Office Action and in the Advisory Action, the Examiner acknowledges that Shen does not use an object query language to extract data from the object model.

Therefore, the Examiner asserts that Ng teaches extracting data from an object model using an object query language corresponding to the object model. The Examiner then combines Ng with Shen.

Ng discloses that indexes are generated in a database corresponding to object-oriented classes. See, for example, the Abstract, of Ng.

For example, referring to FIG. 1 of the present application, Ng relates to creating indexes in database 20 using object model 22. The operation disclosed in Ng is significantly different than that recited, for example, in claim 1, where data is automatically extracted directly from the

object model using an object query language corresponding to the object model. Moreover, the operation disclosed in Ng is significantly different than that shown, for example, in FIG. 3 of the present application, where data is automatically extracted directly from object model 22 using an object query language (OQL) corresponding to the object model.

Therefore, neither Shen nor Ng discloses or suggests that data is automatically extracted from a database by directly extracting the data from the object model as recited, for example, in claim 1. Accordingly, it is respectfully submitted that even if the use of object query language in Ng is combined with Shen, the combination of references would not disclose or suggest the present invention as recited, for example, in claim 1.

Although the above comments are specifically directed to claim 1, it is respectfully submitted that the comments would be helpful in understanding various differences of various other claims over the cited references.

* * *

Claim 11, 13 and 16 recite automatically building tables for the extracted data in accordance with metadata for the extracted data.

Ng does not disclose or suggest automatically building tables for the extracted data in accordance with metadata for the extracted data

Instead, Ng discloses an object mapping tool 508 that requires predetermined class-to-database mapping between classes and tables. See, for example, column 7, lines 65-66, and column 11, lines 20-22, of Ng. Column [0008] of the present application specifically addresses problems associated with this type of conventional "mapping" in Ng. Further, as Ng relates to the convention mapping as addressed in column [0008] of the present application, Ng can be seen as "teaching away" from automatically building tables for the extracted data in accordance with metadata for the extracted data as recited, for example, in claims 11, 13 and 16.

In view of the above, it is respectfully submitted that the rejection is overcome.

V.   CONCLUSION

In view of the above, it is respectfully submitted that the application is in condition for allowance, and a Notice of Allowance is earnestly solicited.
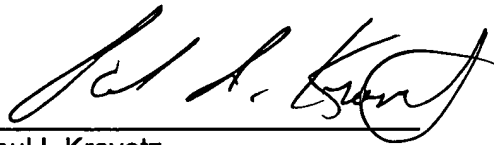
If any further fees are required, please charge such fees to our Deposit Account No. 19-3935.

Respectfully submitted,

STAAS & HALSEY LLP

Date: _September 6, 2005_　　　By: _____

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